



US008298968B2

(12) **United States Patent**  
**Swallow et al.**

(10) **Patent No.:** **US 8,298,968 B2**  
(45) **Date of Patent:** **Oct. 30, 2012**

(54) **ELECTRICAL COMPONENTS AND  
CIRCUITS CONSTRUCTED AS TEXTILES**

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(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 357 days.

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(21) Appl. No.: **10/598,373**

(22) PCT Filed: **Feb. 25, 2005**

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(86) PCT No.: **PCT/GB2005/000712**

§ 371 (c)(1),

(2), (4) Date: **Dec. 27, 2006**

(87) PCT Pub. No.: **WO2005/083164**

PCT Pub. Date: **Sep. 9, 2005**

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(65) **Prior Publication Data**

US 2008/0233822 A1 Sep. 25, 2008

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(30) **Foreign Application Priority Data**

Feb. 27, 2004 (GB) ..... 0404419.4

(57) **ABSTRACT**

Electrical components are formed in a fabric during the weav-  
ing process by a series of crossing conductors in the warp and  
weft fibers of the fabric. Some of the crossing points provide  
permanent Separation of the crossing conductors, others per-  
manent connection of the crossing conductors and others  
connection upon the application of pressure to the fabric. The  
structure provides the possibility of forming a greater range of  
components and more reliable component characteristics  
than heretofore possible.

(51) **Int. Cl.**  
**D03D 15/00** (2006.01)

(52) **U.S. Cl.** ..... **442/229**; 345/173; 345/174; 442/181;  
442/228

(58) **Field of Classification Search** ..... 442/181,  
442/229, 228; 345/173, 174

See application file for complete search history.

**20 Claims, 12 Drawing Sheets**

